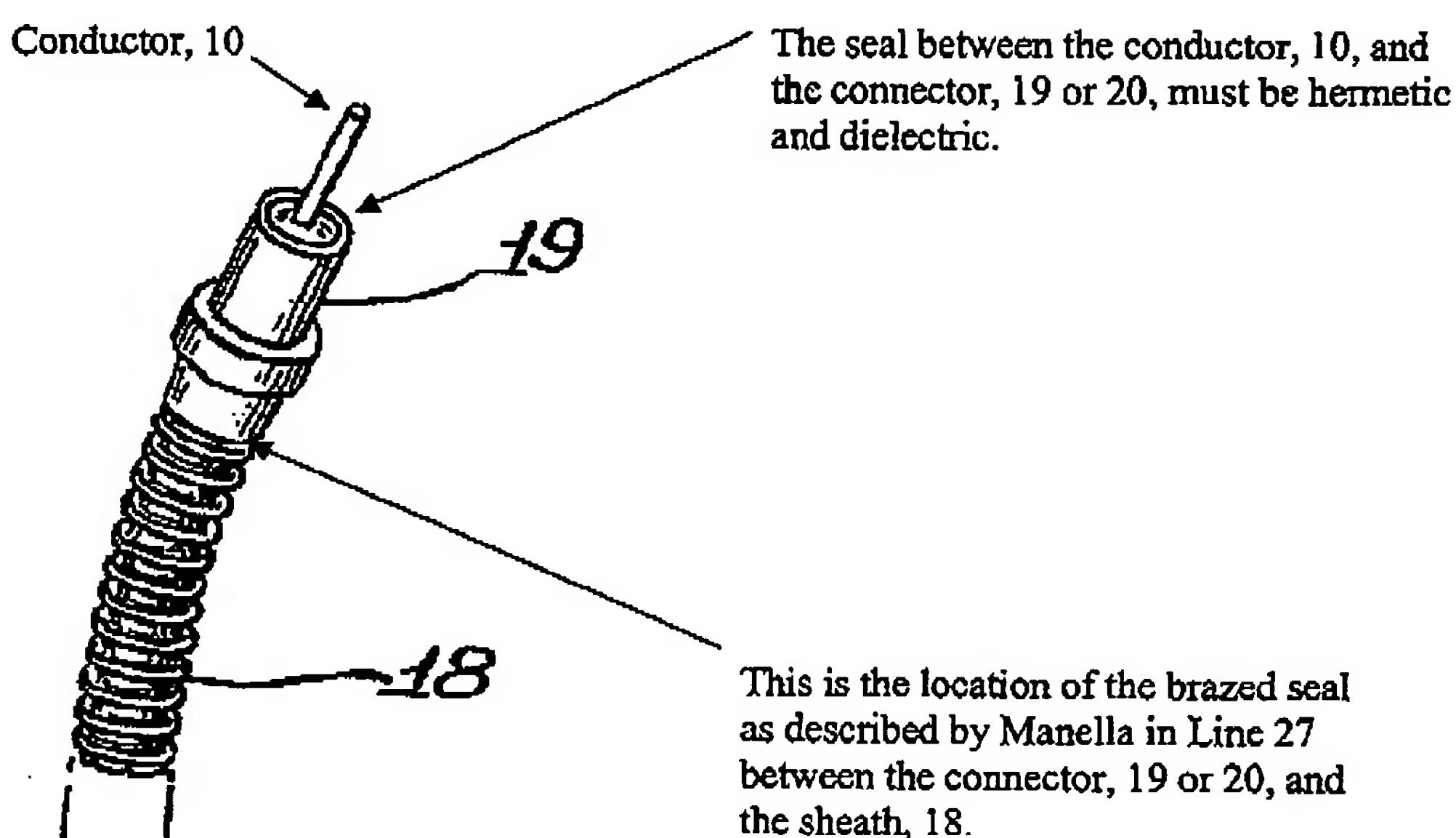


**REMARKS**

Reconsideration of the application is respectfully requested.

1. Examiner has rejected claims 1- 10 under 35 USC 102(b) as being anticipated by the Manella reference (US 3,002,047). With respect, it is submitted that the Manella reference discloses a patentably distinct cable than the claimed cable herein. Furthermore, the cable disclosed in the Manella document is not operative.

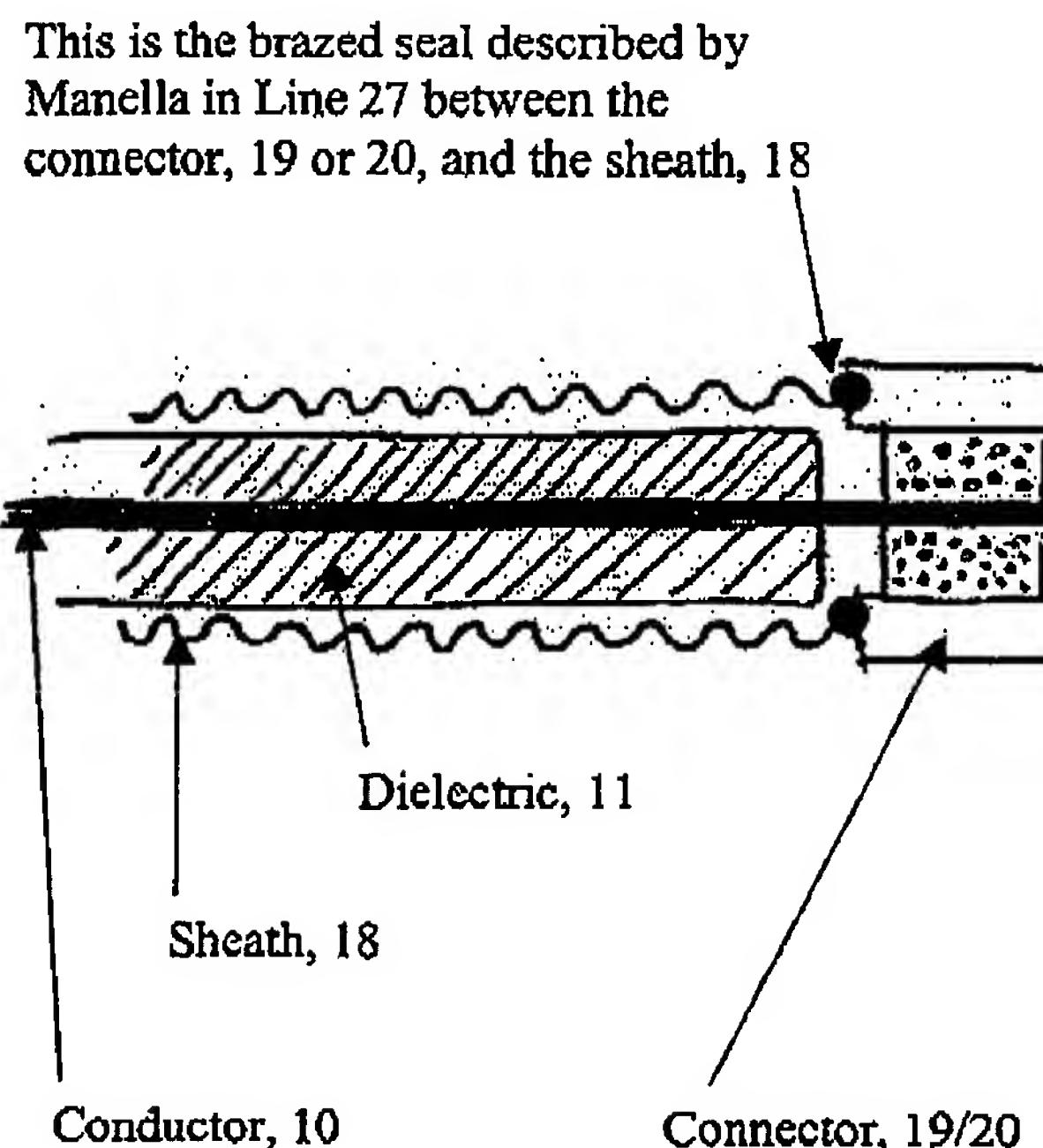
The cable taught by Manella is shown below. It is a coaxial cable having two conductors 10 and the outer housing of connectors 19 and 20.



The brazed joint between the sheath 18 and the connector 19 or 20 cannot close the system. A seal between the conductor 10 and the connector 19 or 20 must still be provided. Using a brazed seal between the conductor, 10, and the connector, 19 or 20, would render the cable completely inoperable as a coaxial cable. The brazed seal described in Manella is between the sheath and the

connector – only between components of the outer conductor. An additional dielectric, hermetic seal is required, separate from the brazed joint described by Manella.

The following is Applicant's interpretation of a cross-section of the Manella cable:



This is the brazed seal described by Manella in Line 27 between the connector, 19 or 20, and the sheath, 18

Manella describes this seal in the introductory Paragraph 6 as "... connector fittings, 19 and 20, each of which have dielectric inserts hermetically sealed in the connector shells so that the entire unit functions as a sealed radio frequency transmission system".

The seal between conductor 10 and connector (19 or 20) is not operable at high temperature. Manella does not describe this seal, and there is no such seal available that can reliably seal this joint while providing a dielectric at high temperatures (ie. 1000° F or higher.) Manella provides no detail that would make this end connection operable at high temperature.

Because the cable of the present invention is a single conductor, not a coaxial cable, a dielectric seal between inner and outer conductors is unnecessary. Therefore, the brazed joint in the present invention serves to seal the interior of the cable without the need for another seal. The introduction of additional components, such as those taught by Manella, would fundamentally change the

characteristics of the invention. As a single conducting cable for use in a high temperature environment, no other components are necessary or even desirable. Additional components would necessarily make the task of hermetically sealing the cable more complex, or even impossible in a high temperature environment.

### **CONCLUSION**

In view of the foregoing remarks and amendments, it is respectfully submitted that this application is in condition for allowance and allowance thereof is respectfully requested.

Respectfully submitted,

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**CORRESPONDENCE ADDRESS:**  
**CUSTOMER No. 22828**

**Attachment:**

**None**